

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/080974 A1

- (51) International Patent Classification⁷: **G01N 33/50**, **A01K 67/027**
- (21) International Application Number:
PCT/GB2005/000583
- (22) International Filing Date: 17 February 2005 (17.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0403490.6 17 February 2004 (17.02.2004) GB
- (71) Applicant (for all designated States except US): **DAN-IOLABS LIMITED** [GB/GB]; 7330 Cambridge Research Park, Landbeach, Cambridge Cambridgeshire CB5 9TN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GOLDSMITH, Paul** [GB/GB]; c/o Daniolabs Limited, 7330 Cambridge Research Park, Landbeach, Cambridge Cambridgeshire CB5 9TN (GB). **FLEMING, Angeleen, Louise** [GB/GB]; c/o Daniolabs Limited, 7330 Cambridge Research Park, Landbeach, Cambridge Cambridgeshire CB5 9TN (GB).
- (54) Agents: **WALTON, Seán** et al.; Mewburn Ellis LLP, York House, 23 Kingsway, London Greater London WC2B 6HP (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SCREENING METHODS EMPLOYING ZEBRAFISH AND THE BLOOD BRAIN BARRIER

(57) Abstract: Use of fish, in particular zebrafish, in screening for substances with an ophthalmological effect or biological effect on the brain or central nervous system and/or effect on a disease or disorder of the brain or central nervous system. Based on identification and characterisation of the blood brain barrier.



WO 2005/080974 A1